

# RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES

## 02 IULIE 2026

### DATE CALITATE AER MUNICIPIUL SEBES -

SISTEM PROPRIU DE MASURARE -Municipiul Sebeș

Valori medii orare



| Time  | PM1   | PM2.5 | PM4   | PM10  | PMtot | Benzen | Toluen | Etil-benzen | CO    | NO    | NO2   | NOx   | O3    | SO2   | Formald<br>ehida |
|-------|-------|-------|-------|-------|-------|--------|--------|-------------|-------|-------|-------|-------|-------|-------|------------------|
| h:min | µg/m3 | µg/m3 | µg/m3 | µg/m3 | µg/m3 | µg/m3  | µg/m3  | µg/m3       | mg/m3 | µg/m3 | µg/m3 | µg/m3 | µg/m3 | µg/m3 | mg/m3            |
| 1:00  | 13.58 | 15.23 | 17.17 | 21.28 | 28.12 | 0.31   | 1.04   | n/a         | 0.17  | 2.59  | 25.35 | 27.91 | 17.30 | 36.96 | N/A              |
| 2:00  | 14.09 | 15.71 | 17.50 | 21.99 | 28.41 | 0.25   | 0.71   | 1.76        | 0.16  | 3.26  | 26.43 | 29.69 | 11.38 | 37.17 |                  |
| 3:00  | 15.86 | 18.18 | 20.73 | 27.87 | 39.28 | 0.32   | 1.02   | 1.76        | 0.18  | 6.23  | 22.99 | 29.23 | 11.64 | 37.30 |                  |
| 4:00  | 13.58 | 15.27 | 17.34 | 21.04 | 25.08 | 0.23   | 0.68   | 1.69        | 0.16  | 1.37  | 14.90 | 16.24 | 20.20 | 37.20 |                  |
| 5:00  | 11.78 | 13.88 | 16.34 | 22.69 | 31.02 | 0.28   | 2.02   | 1.82        | 0.16  | 7.64  | 15.70 | 23.34 | 24.50 | 37.25 |                  |
| 6:00  | 8.12  | 10.27 | 12.58 | 19.47 | 30.30 | 0.21   | 0.99   | 1.74        | 0.18  | 9.08  | 17.85 | 26.93 | 29.16 | 37.54 |                  |
| 7:00  | 9.92  | 12.83 | 16.00 | 27.27 | 44.22 | 0.69   | 1.44   | 1.86        | 0.22  | 21.93 | 33.92 | 55.86 | 22.19 | 37.38 |                  |
| 8:00  | 13.87 | 17.14 | 20.45 | 33.88 | 54.41 | 0.50   | 1.38   | n/a         | 0.21  | 15.00 | 25.37 | 40.37 | 24.53 | 37.50 |                  |
| 9:00  | 15.16 | 18.28 | 21.61 | 33.45 | 50.85 | 0.50   | 1.76   | n/a         | 0.21  | 22.13 | 30.64 | 52.77 | 28.30 | 37.72 |                  |
| 10:00 | 12.30 | 14.24 | 16.36 | 22.81 | 33.26 | 0.36   | 0.97   | 1.81        | 0.20  | 14.16 | 21.38 | 35.54 | 44.90 | 37.41 |                  |
| 11:00 | 10.43 | 11.92 | 13.57 | 18.26 | 26.24 | 0.27   | 0.79   | n/a         | 0.17  | 8.77  | 16.47 | 25.22 | 59.82 | 37.36 |                  |
| 12:00 | 10.23 | 11.48 | 12.79 | 16.98 | 24.15 | 0.24   | 0.98   | n/a         | 0.17  | 4.40  | 11.26 | 15.65 | 70.24 | 37.16 |                  |
| 13:00 | 10.33 | 11.74 | 13.10 | 18.03 | 24.92 | 0.27   | 0.95   | n/a         | 0.17  | 4.57  | 12.17 | 16.73 | 77.14 | 37.07 |                  |
| 14:00 | 9.47  | 10.68 | 11.97 | 15.70 | 23.13 | 0.22   | 0.64   | n/a         | 0.17  | 3.99  | 11.05 | 15.02 | 76.46 | 37.22 |                  |
| 15:00 | 9.53  | 10.64 | 11.85 | 15.39 | 22.35 | 0.22   | n/a    | n/a         | 0.17  | 2.78  | 8.89  | 11.66 | 73.05 | 37.01 |                  |
| 16:00 | 10.44 | 11.86 | 13.35 | 18.51 | 27.38 | 0.27   | 0.80   | n/a         | 0.18  | 4.36  | 9.79  | 14.15 | 69.64 | 37.28 |                  |
| 17:00 | 9.66  | 12.79 | 15.72 | 25.46 | 42.86 | 0.49   | 2.26   | n/a         | 0.20  | 9.24  | 19.19 | 28.43 | 51.34 | 37.05 |                  |
| 18:00 | 9.04  | 10.78 | 12.74 | 15.97 | 20.10 | 0.23   | 0.41   | 1.87        | 0.17  | 3.69  | 9.76  | 13.43 | 38.82 | 37.25 |                  |
| 19:00 | 7.88  | 9.39  | 10.90 | 15.41 | 22.28 | 0.18   | 0.41   | 1.86        | 0.17  | 1.86  | 7.53  | 9.21  | 49.47 | 37.42 |                  |
| 20:00 | 8.15  | 10.46 | 12.58 | 15.14 | 19.09 | 0.32   | 0.76   | 1.61        | 0.19  | 3.69  | 15.99 | 19.68 | 44.02 | 37.55 |                  |
| 21:00 | 6.82  | 8.16  | 9.46  | 12.05 | 15.11 | 0.31   | 0.66   | n/a         | 0.18  | 2.22  | 9.62  | 11.84 | 44.25 | 37.79 |                  |
| 22:00 | 7.40  | 9.09  | 10.77 | 16.08 | 24.36 | 0.35   | 1.10   | 1.84        | 0.20  | 6.97  | 20.25 | 27.22 | 25.77 | 37.83 |                  |
| 23:00 | 6.77  | 8.79  | 11.19 | 16.77 | 24.20 | 0.32   | 1.21   | n/a         | 0.17  | 3.72  | 12.79 | 16.48 | 26.51 | 38.07 |                  |
| 24:00 | 4.98  | 6.62  | 8.73  | 13.25 | 18.73 | 0.22   | 0.59   | 1.91        | 0.16  | 3.76  | 8.30  | 12.03 | 39.67 | 37.81 |                  |
| Min   | 4.98  | 6.62  | 8.73  | 12.05 | 15.11 | 0.18   | 0.41   | 1.61        | 0.16  | 1.37  | 7.53  | 9.21  | 11.38 | 36.96 |                  |
| Max   | 15.86 | 18.28 | 21.61 | 33.88 | 54.41 | 0.69   | 2.26   | 1.91        | 0.22  | 22.13 | 33.92 | 55.86 | 77.14 | 38.07 |                  |
| Medie | 10.39 | 12.31 | 14.37 | 20.20 | 29.16 | 0.32   | 1.02   | 1.79        | 0.18  | 6.98  | 16.98 | 23.94 | 40.85 | 37.39 |                  |

**Indice specific privind calitatea aerului in Municipiul Sebes - ORDIN 1818/2020**

|                                |   |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 2 |
| Dioxid de azot (NO2)           | 1 |
| Dioxid de sulf (SO2)           | 1 |
| Ozon (O3)                      | 2 |
| Particule in suspensie (PM10)  | 2 |

|                       |   |
|-----------------------|---|
| Indice zilnic general | 2 |
|-----------------------|---|

|   |               |
|---|---------------|
| 1 | Bun           |
| 2 | Acceptabil    |
| 3 | Moderat       |
| 4 | Rau           |
| 5 | Foarte rau    |
| 6 | Extrem de rau |

\*Metoda de determinare utilizată de analizoarele ce compun sistemul este metoda automată

**Limite maxime admise**

|                              |                                                         |                |
|------------------------------|---------------------------------------------------------|----------------|
| Monoxid de carbon - (CO)     | 10 mg/mc - valoarea maxima zilnica a mediilor pe 8 ore  | Legea 104/2011 |
| Ozon - (O3)                  | 120 µg/mc - valoarea maxima zilnica a mediilor pe 8 ore | Legea 104/2011 |
| Dioxid de azot- (NO2)        | 200 µg/mc limita orara ; 40 µg/mc limita anuala         | Legea 104/2011 |
| Dioxid de sulf - (SO2)       | 350 µg/mc limita orara ; 125 µg/mc limita zilnica       | Legea 104/2011 |
| Pulberi in suspensie (PM10)  | 50 µg/mc limita zilnica ; 40 µg/mc limita anuala ;      | Legea 104/2011 |
| Pulberi in suspensie (PM2.5) | 20 µg/mc limita anuala                                  | Legea 104/2011 |
| Benzen - (C6H6)              | 5 µg/mc limita anuala                                   | Legea 104/2011 |
| Formaldehida - (CHOH)        | 0.012 mg/mc media la 24 h                               | STAS 12574/87  |

\*N/A - Analizorul de formaldehidă (CHOH) trimis in Finlanda pentru calibrare în laborator